EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	82	(tooth$1brush same stem and (channel conduit passage)) and @Py<"2005"	USOCR; EPO; JPO; DERWENT	OR	OFF	2010/08/12 15:00
L2	69	(tooth$1brush same stem and (channel conduit passage)) and @Py<"2005"	US-PGPUB; USPAT	OR	OFF	2010/08/12 15:07
L9	80	(toothbrush with stem).clm.	USPAT	OR	OFF	2010/08/12 15:18
L11	259	a61c17/00.ipc.	EPO; JPO; DERWENT	OR	OFF	2010/08/12 15:28
L12	0	a61c03/02.ipc.	EPO; JPO; DERWENT	OR	OFF	2010/08/12 15:28
L13	472	a61c003/02.ipc.	EPO; JPO; DERWENT	OR	OFF	2010/08/12 15:28
L14	0	a61c05/04.ipc.	EPO; JPO; DERWENT	OR	OFF	2010/08/12 15:28
L15	456	a61c005/04.ipc.	EPO; JPO; DERWENT	OR	OFF	2010/08/12 15:28
L16	2	a46b13/00.ipc.	EPO; JPO; DERWENT	OR	OFF	2010/08/12 15:30
L17	119	a46b013/00.ipc.	EPO; JPO; DERWENT	OR	OFF	2010/08/12 15:30

L18	1300	13 15 17 11	EPO; JPO; DERWENT	OR	OFF	2010/08/12 15:31
L19	0	18 and (stem and channel)	EPO; JPO; DERWENT	OR	OFF	2010/08/12 15:31
L20	131	18 and toothbrush	EPO; JPO; DERWENT	OR	OFF	2010/08/12 15:31
S1	11	("4068974" | "5096321" | "6039489" | "6164967" | "6918153").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/06 17:57
S2	10	("2814816" | "4068974" | "6039489").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/06 17:58
S3	737	433/29.ccls. and @py<"2005"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/06 18:01
S4	272	S3 and (reservoir chamber reservoir compartment storage vessel receptacle barrel canister)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/06 18:02
S5	272	S3 and (reservoir chamber reservoir compartment storage vessel receptacle barrel canister)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2009/03/06 18:04
S6	4	("4501555" | "4790751" | "4886454" | "5022856").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/06 18:12

S7	646	433/126,30.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/06 18:16
S8	646	433/126,30.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/06 18:20
S9	646	S8	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/06 18:20
S10	74	S9 and (groove$1 with (supply line$1 fluid$1 tube$1)) and @py<"2005"	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/06 18:22
S11	8	("3789506" | "4303392" | "4553938" | "5039304" | "5088924" | "5145370" | "5476379" | "5501596").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/06 18:22
S12	545	(brush with stem).ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/06 18:25
S13	440	S12 and @py<"2005"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/06 18:25
S14	403	401/278.ccls. and @py<"2005"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/06 18:33
S15	35023	"433"/$.ccls. (brush$1head same handpiece)and @py<"2005"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/06 18:35

S16	0	"433"/$.ccls. and (brush$1head same handpiece)and @py<"2005"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/06 18:35
S17	882	"433"/$.ccls. and (head same handpiece)and @py<"2005"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/06 18:35
S18	121	"433"/$.ccls. and (head same (connectable removable attachable) same handpiece)and @py<"2005"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/06 18:36
S19	0	((brush tooth$1brush brush$1head brush$1stem) same (attachable removabl$3 disposable dispos$4 engageable disengageable) same (device appliance instrument hand $1piece handle)) near ((reservoir$2 storage$1 chamber$1 sac$1 tube$1) with (fluid$1 liquid$1 material$1 paste $1 agent$1)) and @py<"2005"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/10 09:29
S20	0	((brush tooth$1brush brush$1head brush$1stem) same (attachable removabl$3 disposable dispos$4 engageable disengageable) same (device appliance instrument hand $1piece handle)) near ((reservoir$2 storage$1 chamber$1 sac$1 tube$1) same(fluid$1 liquid$1 material$1 paste $1 agent$1)) and @py<"2005"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/10 09:30

S21	0	(((brush tooth$1brush brush$1head brush$1stem) same (attachable removabl$3 disposable dispos$4 engageable disengageable) same (device appliance instrument hand $1piece handle)) near ((reservoir$2 storage$1 chamber$1 sac$1 tube$1) same(fluid$1 liquid$1 material$1 paste $1 agent$1))) and @py<"2005"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/10 09:31
S22	6410	(((brush tooth$1brush brush$1head brush$1stem) same (attachable removabl$3 disposable dispos$4 engageable disengageable) same (device appliance instrument hand $1piece handle)) and ((reservoir$2 storage$1 chamber$1 sac$1 tube$1) same(fluid$1 liquid$1 material$1 paste $1 agent$1))) and @py<"2005"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/10 09:33
S23	0	(((brush tooth$1brush brush$1head brush$1stem) same (attachable removabl$3 disposable dispos$4 engageable disengageable) same (device appliance instrument hand $1piece handle)) near ((reservoir$2 storage$1 chamber$1 sac$1 tube$1) same(fluid$1 liquid$1 material$1 paste $1 agent$1))) and @py<"2005"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/10 09:33

S24	774	S22 and ((groove$1 cut$1 hollow notch$1) with (channel canal tunnel trough passage$1 pathway$1))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/03/10 09:36
S25	349	604/77.ccls. and @py<"2004"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/03/10 09:45
S26	628	424/435.ccls. and @py<"2004"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/03/10 09:46
S27	46	S26 and (brush or toothbrush)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/03/10 09:46
S28	868	222/325.ccls. and @py<"2004"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/03/10 09:47
S29	11	S28 and toothbrush	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/03/10 09:47

S30	24	(((brush tooth$1brush brush$1head brush$1stem) same (attachable removabl$3 disposable dispos$4 engageable disengageable) same (device appliance instrument hand $1piece handle)) and ((reservoir$2 storage$1 chamber$1 sac$1 tube$1) same(fluid$1 liquid$1 material$1 paste $1 agent$1))) and @py<"2005"	EPO; JPO	OR	OFF	2009/03/10 09:52
S31	172	(A46B013/04.ipc.) or (A61C017/26. ipc.) and @py<"2004"	EPO; JPO	OR	OFF	2009/03/10 09:55
S32	190	(A46B013/04.ipc.) or (A61C017/26. ipc.) or (A61C017/28.ipc.) and @py<"2004"	EPO; JPO	OR	OFF	2009/03/10 09:55
S33	549	401/280,281.ccls. and @py<"2005"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/10 10:28
S34	298	brushhead	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/10 10:34
S35	180	brushhead and @py<"2005"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/10 10:35

S36	2822	15/221.1,167.1,19131,195.ccls. and @py<"2004"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/10 10:42
S37	61	S36 and (groove$1 with (chanel opening))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/10 10:42
S38	33	S36 and (groove$1 with (form$2 defin $3) with (chanel opening))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/10 10:45
S39	15	S36 and (groove$1 near5 (form$2 defin$3) near5 (channel opening passage$2 pathway$1))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/10 10:47
S40	148	"433"/$.ccls. and (groove$1 near5 (form$2 defin$3) near5 (channel opening passage$2 pathway$1)) and @py<"2004"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/10 10:51
S41	148	"433"/$.ccls. and (groove$1 near5 (form$2 defin$3) near5 (channel opening passage$2 pathway$1)) and @py<"2004"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2009/03/10 10:51
S42	7	"433"/24-30.ccls. and (groove$1 near5 (form$2 defin$3) near5 (channel opening passage$2 pathway$1)) and @py<"2004"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2009/03/10 10:52

S43	31	"433"/80-90.ccls. and (groove$1 near5 (form$2 defin$3) near5 (channel opening passage$2 pathway$1)) and @py<"2004"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2009/03/10 10:53
S44	361	S33/$.ccls. and (groove$1 near5 (form$2 defin$3) near5 (channel opening passage$2 pathway$1)) and @py<"2004"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2009/03/10 10:55
S45	209	S33/$.ccls. and (groove$1 near5 (form$2 defin$3) near5 (channel passage$2 pathway$1)) and @py<"2004"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2009/03/10 10:55
S46	556	"222"/$.ccls. and (groove$1 near5 (form$2 defin$3) near5 (channel passage$2 pathway$1)) and @py<"2004"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2009/03/10 10:56
S47	361	"222"/$.ccls. and (groove$1 near3 (form$2 defin$3) near3 (channel passage$2 pathway$1)) and @py<"2004"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2009/03/10 10:57
S48	228	"222"/$.ccls. and (groove$1 near3 (form$2 defin$3) near3 (channel passage$2 pathway$1)) and @py<"2004"	USPAT; EPO; JPO	OR	OFF	2009/03/10 10:57
S49	1009	15/221.,24,29,31.ccls. and @py<"2004"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/10 16:22

S50	15	S49 and (groove$1 with (defin$3 form $3) with (channel opening passage pathway))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/10 16:23
S51	1463	433/80-86.ccls. and @py<"2005"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/10 16:25
S52	90	433/86.ccls. and @py<"2005"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/11 09:30
S53	189	433/87.ccls. and @py<"2005"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/11 09:39
S54	236	433/88.ccls. and @py<"2005"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/11 09:42
S55	424	601/162-165.ccls. and @Py<"2005"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/11 09:50
S56	28	S55 and (groove$1 same fluid$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/11 09:51

S57	5	("3703170" | "3771517" | "4248589" | "4531913" | "4672953").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/11 09:56
S58	1	("5323770").URPN.	USPAT	OR	OFF	2009/03/11 09:56
S59	7	("3753435").URPN.	USPAT	OR	OFF	2009/03/11 10:07
S60	258	601/162.ccls. and @Py<"2005"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/11 10:09
S61	258	601/162.ccls. and @Py<"2005"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2009/03/11 10:09
S62	16	("2550565" | "3227158" | "3496933" | "3500824" | "3568667" | "3570525" | "3590813" | "3612045" | "3749291" | "3851643" | "4133482" | "4302186").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/11 10:24
S63	296378	(("433"/$.ccls.) or ("601"/$.ccls.) ("222"/$.ccls.) ("15"/$.ccls.))	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/11 10:50
S64	94	S63 and ((semi$1circular near3 (groove$1 channel passage passway)) with (defin$3 form$3 creat$3 mak$3) with (channel opening passage pathway))	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/11 10:52

S65	536	S63 and (((circular near3 (groove$1 channel passage passway)) with (defin $3 form$3 creat$3 mak$3) with (channel opening passage pathway))	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/11 10:57
S66	260	S63 and (((circular near3 (groove$1 channel passage passway)) with (defin $3 form$3 creat$3 mak$3) with (channel))	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/11 10:57
S67	54	S66 and (brush toothbrush)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/11 10:58
S68	9	S63 and (((circular near3 (groove$1 channel passage passway)) with mat$3 with (defin$3 form$3 creat$3 mak$3) with (channel))	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/11 11:01
S69	1040	S63 and (((groove$1 channel passage passway)) with mat$3 with (defin$3 form$3 creat$3 mak$3) with (channel passage pathway opening))	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/11 11:06
S70	143	S63 and (((groove$1 channel passage passway)) with mat$3 with (defin$3 form$3 creat$3 mak$3) with (channel passage pathway opening) with fluid)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/11 11:06
S71	1798	S63 and (((groove$1 channel passage passway)) with (defin$3 form$3 creat $3 mak$3) with (channel passage pathway opening) with fluid).clm.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/11 11:11
S72	221	S71 and S66/$.ccls. and @py<"2005"	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/11 11:12

S73	120	S71 and "433"/$.ccls. and @py<"2005"	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/11 11:16
S74	110	S71 and "433"/$.ccls. and @py<"2005"	USPAT	OR	OFF	2009/03/11 11:17
S75	48	("4522524" "5499420" "4306327" "4409701" "4911187" "4997629" "5283924" "5613258" "5683146" "5749381" "5851116" "5850659" "6381794" "7293318" "20060269351" "20070212662" "4269207" "4399582" "4442830" "3613698" "4274174" "4450599" "4461053" "4471505" "4517701" "4534081" "4554154" "4603448" "4630326" "4827552" "5068939" "5226206" "5253386" "5305922" "5404608" "5423102" "5439014" "5604952" "5706545" "5746532" "5842487" "5931596" "5974614" "6105191" "6106294" "6237180" "6256826" "6332233" "7024718" "7478960").pn.	USPAT	OR	OFF	2009/03/11 11:30
S76	422	433/216.ccls. and @py<"2005"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/13 16:15
S77	66	S76 and (toothbrush and head)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/13 16:15

S78	3	("7004662").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/13 16:21
S79	6	(("4236651") or ("20030077107")). PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/13 16:23
S80	28	(toothbrush and core adj member)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/13 17:03
S81	3	("4068974").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/13 17:09
S82	7	(("6039489") or ("2814816")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/13 17:09
S83	0	"0385815"	EPO	OR	OFF	2009/03/13 17:10
S84	0	"0385815"	EPO; JPO	OR	OFF	2009/03/13 17:10
S85	2	("0385815").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/13 17:10

S86	21	"385815"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/13 17:11
S87	1	"385815"	EPO; JPO	OR	OFF	2009/03/13 17:11
S88	4	("2003077107").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/14 13:49
S89	2	("20030077107").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/14 13:49
S90	17818	((toothbrush) or (tooth$1brush)) and @Py<"2005"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/08/26 09:36
S91	0	S90 and (mating with groove$1 with (flow$3 channel$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/08/26 09:36
S92	6	S90 and (mating with groove$1 same (flow$3 channel$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/08/26 09:36
S93	4	("5087143" | "5096321" | "5346324" | "5393153").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/08/26 09:54

S94	7	("3081783").URPN.	USPAT	OR	OFF	2009/08/26 10:10
S95	6	S90 and (mating with groove$1 same (communicat$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/08/26 10:14
S96	3	S95 not S92	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/08/26 10:14
S97	1	S90 and (mating with groove$1 same (defin$3 with (channel$1 passage$1)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/08/26 10:17
S98	59	S90 and (groove$1 same (defin$3 with (channel$1 passage$1)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/08/26 10:17
S99	58	S98 not S95	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/08/26 10:17
S100	58	S99 not S96	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/08/26 10:17

S101	1250	(mating with groove$1 with (defin$3 form$3 creat$43) with (channel$1 passage$1)) and @Py<"2005"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/08/26 10:33
S102	748	(mating with groove$1 with (defin$3 form$3 creat$43) with (channel$1 passage$1)) and @Py<"2005"	US-PGPUB; USPAT	OR	OFF	2009/08/26 10:34
S103	405	S102 and (flow$1 discharg$1)	US-PGPUB; USPAT	OR	OFF	2009/08/26 10:34
S104	181	S102 and ((flow$1 discharg$1) with (material$1 past$3 liquid$1))	US-PGPUB; USPAT	OR	OFF	2009/08/26 10:35
S105	13	("3102080" | "3128234" | "3192621" | "3219540" | "3248299" | "3371016" | "4146431").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/08/26 10:40
S106	40	S102 and (dental medical surgical)	US-PGPUB; USPAT	OR	OFF	2009/08/26 10:44
S107	13	S102 and (toothbrush brush)	US-PGPUB; USPAT	OR	OFF	2009/08/26 10:53
S108	8	("4253758" | "4376579" | "4766455" | "4823160" | "5313255" | "5745825" | "6052548" | "6058280").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/08/26 10:55
S109	3457	(align$3 with groove$1 with (defin$3 form$3 creat$43) with (channel$1 passage$1)) and @Py<"2005"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/08/26 11:12

S110	4	S109 and toothbrush$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/08/26 11:13
S111	43	(align$3 with groove$1 with (defin$3 form$3 creat$43) with (channel$1 passage$1) with dispens$3) and @Py<"2005"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/08/26 11:14
S112	18	("1335899" | "1802423" | "2304492" | "2895167" | "3767056" | "3825123" | "4054273" | "4097216" | "4252759" | "4256584" | "4280098" | "4373895" | "4434053" | "4627916").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/08/26 11:16
S113	958	401/146,150,135,180,151.ccls. and @py<"2005"	US-PGPUB; USPAT; USOCR	OR	OFF	2009/08/26 11:55
S114	5	S113 and ((mating align$3) with (groove$1 passage$1) with (forming creating defining))	US-PGPUB; USPAT; USOCR	OR	OFF	2009/08/26 11:56
S115	4511	(electric with tooth$1brush$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/02/08 13:43
S116	2298	S115 and head	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/02/08 13:43

S117	24	S116 and (fluid$1 with channel$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/02/08 13:43
S118	43	S116 and (fluid$1 with passage$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/02/08 13:58
S119	34	S118 not S117	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/02/08 13:59
S120	2	(toothbrush$3 and ((match$3 with fluid with (channel$1 passage$1 groove$1))))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/02/08 14:08
S121	18	(toothbrush$3 and ((mat$3 with fluid with (channel$1 passage$1))))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/02/08 14:09
S122	606	((("604" "606" "600" "433").clas. and ((mat$3 with fluid with (channel$1 passage$1))))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/02/08 14:14
S123	145	S122 and head	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/02/08 14:14

S124	6588	(tooth$1brush).ti,ab.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/18 16:54
S125	1	S124 and (groove$1 with match$3 with channel)	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/18 16:54
S126	0	S124 and (groove$1 with match$3 with conduit$1)	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/18 16:54
S127	3	S124 and (channel with match$3 with form$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/18 16:55
S128	8	S124 and (channel with semi $1circular)	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/18 16:56
S129	31	S124 and ((passage$1 groove$1 channel$1) with semi$1circular)	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/18 17:00
S130	4	S129 not "8"	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/18 17:00
S131	4	S129 not "8"	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/18 17:00
S132	23	S129 not S128	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/18 17:00
S133	334	601/159,162.ccls. and @Py<"2007"	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/18 17:04
S134	301	601/159,162.ccls. and @Py<"2004"	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/18 17:04
S135	5	("4236651").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/02/19 10:43

S136	19	("4236651").URPN.	USPAT	OR	OFF	2010/02/19 10:48
S137	439	a46b11/00.ipc.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/02/19 10:53
S138	10	a46b11/00.ipc.	USOCR; EPO; JPO; DERWENT	OR	OFF	2010/02/19 10:53
S139	242	222/82.ccls. and @py<"2004"	USOCR; EPO; JPO; DERWENT	OR	OFF	2010/02/19 10:55
S140	7	S139 and (axial near4 (channel$1 passage$3 conduit$3))	USOCR; EPO; JPO; DERWENT	OR	OFF	2010/02/19 10:55
S141	443	222/83.5,321,325,383.ccls. and @py<"2004"	USOCR; EPO; JPO; DERWENT	OR	OFF	2010/02/19 11:00
S142	3	S141 and (axial near4 (channel$1 passage$3 conduit$3))	USOCR; EPO; JPO; DERWENT	OR	OFF	2010/02/19 11:00
S143	1511	222/83.5,321,325,383.ccls. and @py<"2004"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/02/19 11:00
S144	22	S143 and (axial near4 (channel$1 passage$3 conduit$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/02/19 11:00
S145	0	(toothbrush same axial same channel same match$3) and @Py<"2003"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/02/19 11:05

S146	3	(toothbrush same axial same passage $3 same match$3) and @Py<"2003"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/02/19 11:06
S147	436	604/43.ccls. and @py<"2003"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/02/19 11:10
S148	89781	(match$3 with (channel$1 groove$1 passag$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/02/19 11:11
S149	4	S147 and (match$3 with (channel$1 groove$1 passag$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/02/19 11:11
S150	403	"604"/$.ccls. and @py<"2004" and (match$3 with (channel$1 groove$1 passag$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/02/19 11:13
S151	40	"604"/$.ccls. and @py<"2004" and (match$3 with (channel$1 groove$1 passag$3) with fluid$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/02/19 11:13
S152	8	"604"/$.ccls. and @py<"2004" and (match$3 with (channel$1 groove$1 passag$3) with liquid$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/02/19 11:15

S153	6	"401"/$.ccls. and @py<"2004" and (match$3 with (channel$1 groove$1 passag$3) with liquid$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/02/19 11:18
S154	86	"401"/145,286,157,183.ccls. and @py<"2004" and ((channel$1 groove$1 passag$3) with liquid$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/02/19 11:19
S155	0	12/472540	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/02/19 14:40
S156	2	("5011407").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/02/19 14:43
S157	117	"433"/$.ccls. and (impression$3 same layer same thickness)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/02/19 14:57
S158	0	"433"/$.ccls. and (impression$3 same layer same thickness same photopolymer$6)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/02/19 14:58
S159	6	"433"/$.ccls. and (layer same thickness same photopolymer$6)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/02/19 14:58

S160	46	"433"/$.ccls. and (dental with strip$3 with thickness)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/02/19 14:59
S161	13	"433"/$.ccls. and (dental with moldable with thickness)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/02/19 15:06
S162	95	(dental with strip$3 with thickness)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/02/19 15:07
S163	49	S162 not S160	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/02/19 15:07
S164	95	(dental with adhesive with thickness)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/02/19 15:09
S165	27	(dental with adhesive with thickness with mm)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/02/19 15:09
S166	3275	(dental with impression$3 with material$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/02/19 15:11

S167	108	S166 and (layer$1 with thickness with (micron$1 mm))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/02/19 15:11
S168	114	(dental with impression$3 with material$1 WITH LAYER$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/02/19 15:20
S169	6	(dental with impression$3 with material$1 WITH LAYER$1 WITH THICKNESS)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2010/02/19 15:20
S170	716	(toothbrush same head same (outlet$1 opening$1))	US-PGPUB; USPAT	OR	OFF	2010/02/26 09:44
S171	178	(toothbrush same head same (outlet$1 opening$1) same plurality)	US-PGPUB; USPAT	OR	OFF	2010/02/26 09:44
S172	124	(toothbrush same head same (outlet$1 opening$1) same plurality same bristles)	US-PGPUB; USPAT	OR	OFF	2010/02/26 09:45
S173	0	("7311456").URPN.	USPAT	OR	OFF	2010/02/26 09:56
S174	11	("1918069" | "3738762" | "4277194" | "4865481" | "5304009" | "5425590" | "5769553" | "5893378" | "6142694" | "6918153").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/26 09:56
S175	0	("7311456").URPN.	USPAT	OR	OFF	2010/02/26 10:06

| S176 | 5 | ("4236651").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2010/02/26 10:21 |
| S177 | 3 | (("4236651") or ("4783312") or ("6295427")).PN. | USPAT | OR | OFF | 2010/08/11 09:50 |

EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L3	0	(stem and toothbrush and core and channel).clm.	USPAT; UPAD	OR	OFF	2010/08/12 15:10
L4	8	(stem and toothbrush and channel).clm.	USPAT; UPAD	OR	OFF	2010/08/12 15:11
L5	0	433/80-90.ccls. and (stem and toothbrush and channel).clm.	USPAT; UPAD	OR	OFF	2010/08/12 15:12
L6	0	433/213-229.ccls. and (stem and toothbrush and channel).clm.	USPAT; UPAD	OR	OFF	2010/08/12 15:12
L7	3	"15"/$.ccls. and (stem and toothbrush and channel).clm.	USPAT; UPAD	OR	OFF	2010/08/12 15:12
L8	0	"424"/$.ccls. and (stem and toothbrush and channel).clm.	USPAT; UPAD	OR	OFF	2010/08/12 15:12
L10	0	15/22.1-22.2. and (stem and toothbrush and channel).clm.	USPAT; UPAD	OR	OFF	2010/08/12 15:19

8/12/2010 3:35:08 PM

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